

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Attorney Docket No11554.128 (US6))

Applicant(s): Domash, et al.

Serial No.: TBA

Filed: Herewith

For: INDEX TUNABLE THIN FILM INTERFERENCE COATINGS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants and their attorney are aware of the following publications and information listed on the attached PTO Form 1449, and in accordance with 37 CFR §1.97 for the Examiner's consideration.

Pursuant to 37 C.F.R. §1.97, Applicants hereby make of record the documents listed on the attached Form PTO-1449. The references listed on the enclosed Form PTO-1449 have been cited in related application, U.S. Serial Nos. 10/174,503. Therefore, pursuant to 37 C.F.R. §1.98(d), no copies of the previously cited art are being enclosed.

This application is a divisional of application Serial Nos. 10/174,503.

It is respectfully requested that the information above be expressly considered during the prosecution of this application and that the publications be made of record therein and appear among the "References Cited" on any patent to issue therefrom. In this regard, it is requested that the Examiner initial and return a copy of the enclosed Form PTO-1449 with the next Patent Office Communication.

This submission does not represent that a search has been made and does not constitute an admission that the listed documents are material to patentability or that the listed documents are prior art. If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

NEW DIV
111554.128 (US6)

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits and is therefore submitted as both timely and proper; therefore, no fees are believed to be due.

The Commissioner, however, is hereby authorized to charge any fee deficiency or credit any overpayment to Deposit Account No. 08-0219. A duplicate copy of this sheet is enclosed for that purpose.

Date: September 19, 2003

Respectfully submitted,



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Subt. For, PTO-1449				Docket Number 111554.128 US6		Application Number NEW DIV	
INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Applicant Domash, et al.			
				Filing Date 9/19/2003		Group Art Unit	
Sheet	1	OF	2				

U.S. Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,929,063	May 29, 1990	Durand et al.	350	353	
	5,037,169	Aug. 6, 1991	Chun	385	16	
	5,218,422	Jun. 8, 1993	Zoechbauer	356	352	
	5,408,319	Apr. 18, 1995	Halbout et al.	356	352	
	6,018,421	Jan., 2000	Cushing	359	589	
	5,619,059	April, 1997	Li, et al.	257	431	
	5,515,460	May 7, 1996	Stone	385	24	

Foreign Patent Documents							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 00/22479	Apr. 20, 2000	PCT				
	EP 1055959 A2	Nov. 29, 2000	EP				

Other Documents (including Author, Title, Date Pertinent Pages, Etc.)		
A1	Augustine, B.H. et al. "Thermal-optical switching of a silicon based interference filter" <i>J. Appl. Phys.</i> (15 February 1994): 75(04) 1875-1877	
A2	Niemi, T. et al. "Tunable Silicon Etalon for Simultaneous Spectral Filtering and Wavelength Monitoring of a DWDM Transmitter." <i>IEEE Photonics Technology Letters</i> (January 2001) 13(1) 58-60	
A3	Kajava T. et al. "Tunable Fabry-Perot micro-Filters for Telecommunication system Diagnostics." <i>Tech Dig. Conf. Lasers and Electro-Optics Cleo/Europe</i> (1998) 324	
A4	Carbunescu, E. "Non linear optical effects in hydrogenated amorphous silicon" <i>Optical Engineering</i> (May 1996): 35(05) 1322-1324	
A5	Cocorullo, G. et al. "Amorphous silicon based waveguides and light modulators for silicon low-cost photonic integrated circuits." <i>MRS Fall Meeting Boston</i> (December 1997)	
A6	Cocorullo, G. et al. "Amorphous silicon Waveguides and Interferometers for Low-Cost Silicon Optoelectronics." <i>SPIE</i> (1998): 3278, 286-292	
A7	Cocorullo, G. et al. "Amorphous silicon waveguides and light modulators for integrated photonics realized by low-temperature plasma-enhanced chemical-vapor deposition." <i>Optics Letters</i> (15 December 1996): 21(4) 2002-2004	
A8	Cocorullo, G. et al. "Amorphous Silicon-Based Guided-Wave Passive and Active Devices for Silicon Integrated Optoelectronics." <i>IEEE Journal of Selected Topics in Quantum Electronics</i> (Nov/Dec 1998): 4(6) 997-1002	
A9	Cocorullo, G. et al. "Fast infrared light modulation in a-Si:H micro-devices for fiber-to-the-home applications." <i>Journal of Non-Crystalline Solids</i> (2000) 1247-1251	
A10	Cocorullo, G. et al. "Silicon Thermo-optical Micromodulator with 700-KHz -3-dB Bandwidth." <i>IEEE Photonics Technology Letters</i> (April 1995): 7(4) 363-365	
A11	Cocorullo, G. et al. "Thermo-Optical Modulation at $\lambda=1.5 \mu\text{m}$ in an $\alpha\text{-SiC-}\alpha\text{-Si-}\alpha\text{-SiC}$ Planar Guided-Wave Structure." <i>IEEE Photonics Technology Letters</i> (July 1996): 8(7) 900-902	
A12	Coppola, G. et al. "Simulation and analysis of a high-efficiency silicon optoelectronic modulator based on a Bragg mirror." <i>Society of Photo-optical Instrumentation Engineers</i> (June 2001): 40(6) 1076-1081	
A13	Della Corte, F. et al. "Study of the thermo-optic effect in hydrogenated amorphous silicon and hydrogenated amorphous silicon carbide between 300 and 500 K at $1.55 \mu\text{m}$." <i>Applied Physics Letters</i> (9 July 2001): 79(2) 168-170	

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.	

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Sheet	2	OF	2				

B1	Eicker, U. et al. "Optical bistability in amorphous Si-C alloys and amorphous alloy interference filters." <i>Optical Society of America</i> (1991): 8(3), 614-617
B2	Iodice, M. et al. "Simple and low-cost technique for wavelength division multiplexing channel monitoring." <i>Society of Photo-Optical Instrumentation Engineers</i> (June 2000): 69(6) 1704-1711
B3	Martinu, L. et al. "Plasma deposition of optical films and coatings: A review." <i>J. Vac. Sci. Technol.</i> (Nov/Dec 2000): A18(6), 2619-2645.
B4	Niemi, T. et al. "Tunable Silicon Etalon for Simultaneous Spectral Filtering and Wavelength Monitoring of a DWDM Transmitter." <i>IEEE Photonics Technology Letters</i> (January 2001): 13(1) 58-60
B5	Parmentier, F. et al. "Towards Tunable Optical Filters." <i>Technical Digest, OSA Topical Meeting Optical Interference Coatings</i> (15 July 2001) Paper WB1

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